100 CO

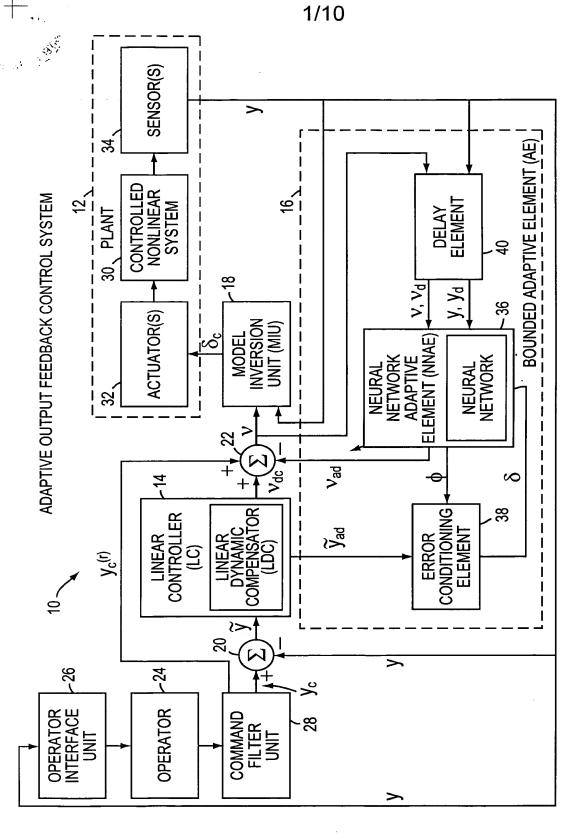


FIG. 1

## TRACKING ERROR SIGNAL ANALYSIS

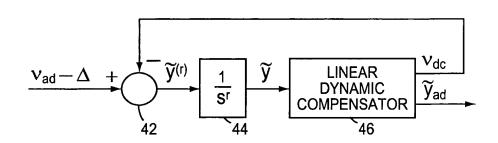


FIG. 2

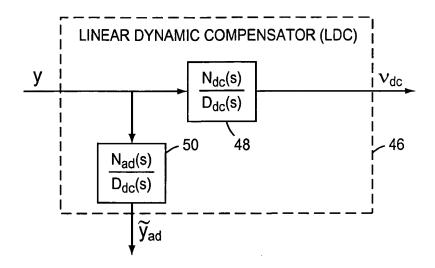
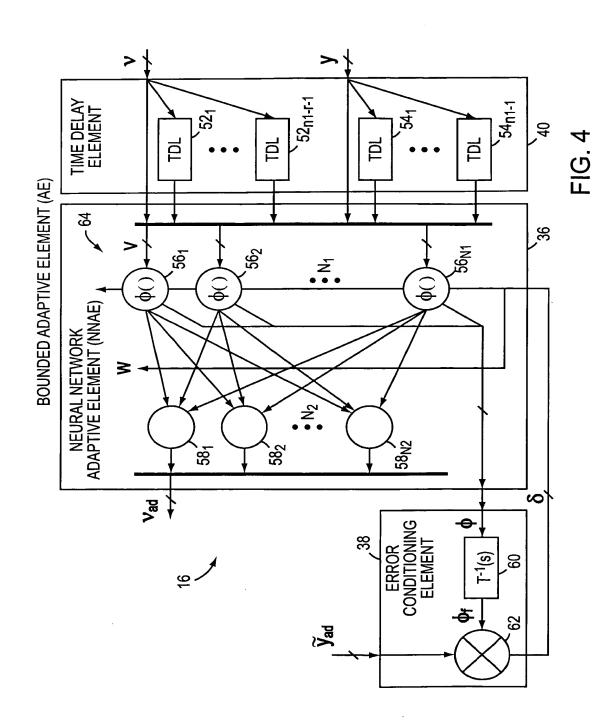
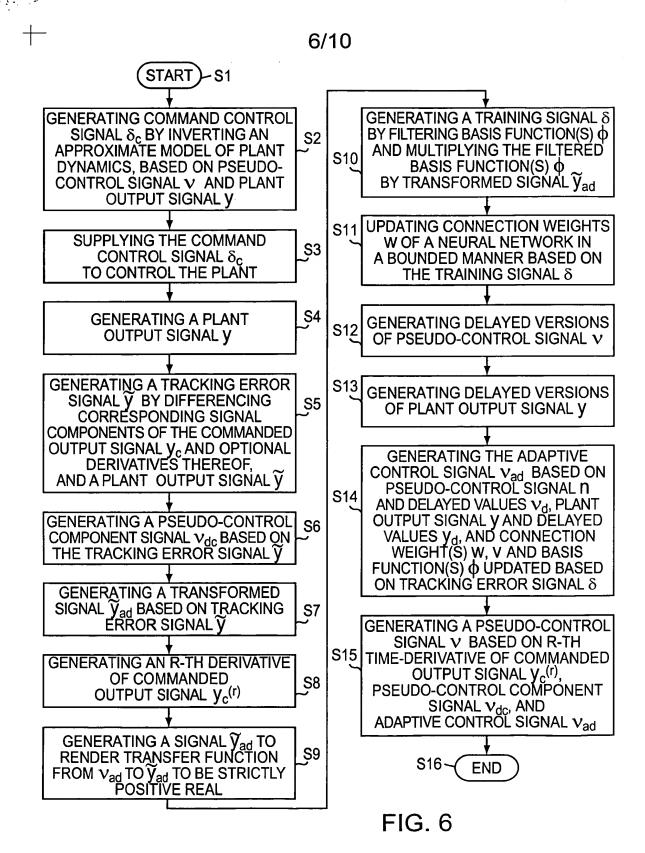


FIG. 3

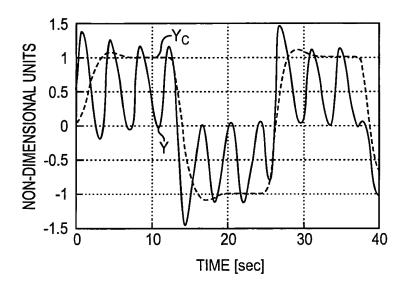


The Alexander

-+



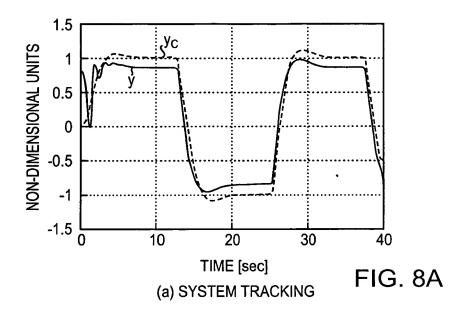


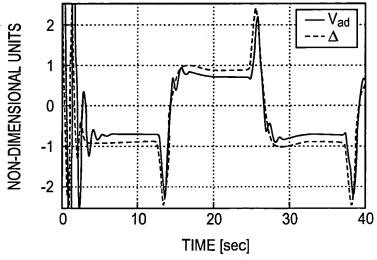


SYSTEM WITHOUT UNMODELLED DYNAMICS: RESPONSE WITH LINEAR COMPENSATOR

FIG. 7

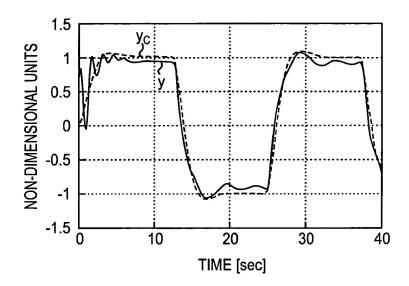
8/10
SYSTEM WITHOUT UNMODELLED DYNAMICS AND NN CONTROLLER





(b) NN OUTPUT  $\nu_{ad}$  AND INVERSION ERROR  $\Delta$ 

FIG. 8B

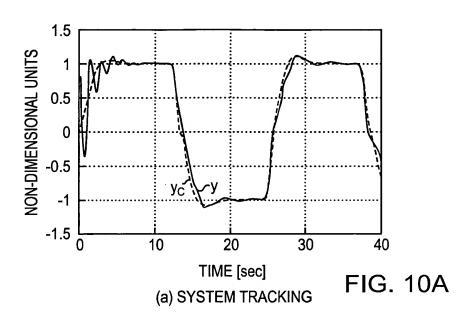


SYSTEM WITH UNMODELLED DYNAMICS: RESPONSE WITH NN CONTROLLER

FIG. 9



## SYSTEM WITH UNMODELLED DYNAMICS: RESPONSE WITH NN CONTROLLER AND LINEAR COMPENSATOR



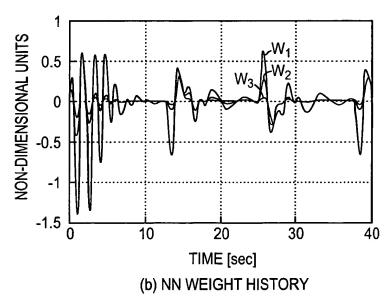


FIG. 10B